



08-26-02

2681

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Mellor *et al.*  
Serial No.: 10/085,340  
Conf. No.: 8537  
Filed: February 27, 2002  
For: **INTELLIGENT MULTIPLEXERS IN AN  
ANTENNA LINE MANAGEMENT  
SYSTEM**  
Art Unit: 2681  
Examiner: Unassigned

## CERTIFICATE OF MAILING BY "EXPRESS MAIL"

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*Alicia Bradbury*  
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## TRANSMITTAL LETTER

US Patent and Trademark Office  
PO Box 2327  
Arlington, VA 22202

Sir:

Transmitted herewith is a Preliminary Amendment with an attachment of marked up paragraphs for filing in connection with the above-identified application. Because this Preliminary Amendment is filed prior to receipt of a first office action on the merits in the above-referenced application, no fee is due. However, should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 50-1213, as stated below:

[ X ] The Commissioner is hereby authorized to charge any fees that may be due under 37 C.F.R. §§1.16-1.17 in connection with this paper or with this application during its entire pendency to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,  
HELLER, EHRMAN, WHITE & McAULIFFE LLP

By:

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PRELIMINARY AMENDMENT

Commissioner for Patents  
US Patent and Trademark Office  
PO Box 2327  
Arlington, VA 22202

Dear Sir:

Preliminary to examination of the above-captioned patent application, entry of  
the following amendment is respectfully requested.

**IN THE SPECIFICATION:**

Please amend the specification as follows (a marked up copy of the amended  
specification is attached to this Amendment):

**Please replace the paragraph beginning on page 3, line 20, through page  
4, line 7, with the following:**

There are several drawbacks to the current monitoring technique for fault  
detection described above. One of the drawbacks is that only a single device at the  
radiation element may be attached to the feeder cable 130. If more than one device  
were connected to the feeder 130 it would not be possible to isolate which device is  
operating outside its normal operating parameters as indicated by a change in  
current draw. For example, if there were two MHA devices connected to a single  
feeder and both drew 100mA during normal operation, the total current drawn from  
the radio base station power supply during normal operation would be 200mA. If  
one of the MHA had a fault and changed its current draw to 150mA, the total current

Al  
MHA